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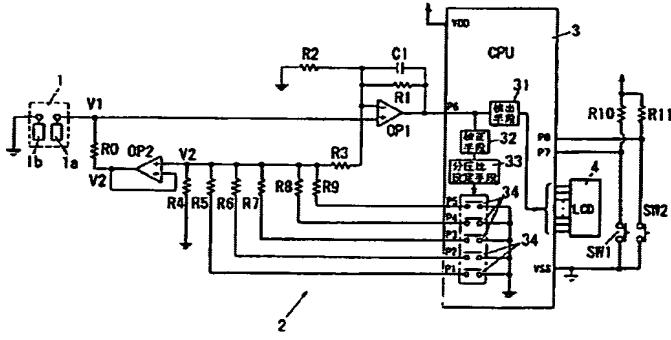
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(54)Title: WATER EXAMINER

(54)発明の名称: 水質計



31... DETECTION MEANS  
32... CALIBRATION MEANS  
33... VOLTAGE DIVISION RATIO SETTING MEANS

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(57) Abstract: A water examiner includes: a pair of sensor electrodes (1a, 1b) which are made of different metals from each other and placed in a liquid to be examined so as to generate detection voltage proportional to the concentration of impurities in the liquid; an operation amplifier (OP1) for non-inversion amplifying the detection voltage and outputting it to a CPU (3); a resistor (R0) having one end connected to one (1a) of the sensor electrodes; and a voltage divider (2) for dividing the detection voltage with a predetermined dividing ratio and applying the divided voltage to the other end of the resistor (R0). In the measurement mode, the CPU (3) processes the signal inputted from the operation amplifier (OP1) so as to obtain the concentration of chlorine and causes an LCD (4) to display the operation result. In the detection voltage calibration mode, the CPU (3) sets the voltage division ratio of the voltage divider (2) so that the detection voltage obtained when the pair of sensors (1a, 1b) are placed in the liquid containing a predetermined concentration of chlorine substantially coincides with the reference voltage in a predetermined concentration.

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